

Robert Pitman - NMFS - Member of Pacific Sea Turtle Recovery Team
Personal Communication March 19, 2002
858-546-7092

Two classes of turtles

Leatherbacks - deep water

Face more serious problems than exposure to pollutants

Hardshells - Very rare in WA

Problems facing these species are severe

Fishing by-catch

People disturbing nests,

Taking adults for food

These problems dwarf environmental problems

Peter Dutton - NMFS -
Personal Communication March 19, 2002
858-546-5636

More interest in doing research on sea turtles and chemical pollutants

Information is just not there

No baseline for pollutants either

Don't know the role pollutants play, but it could be significant

Despite conservation, numbers still dropping

Besides human killing of sea turtles, effects [of chemical pollutants] could be significant

There is concern, but just no information

Kathy Moore - National Ocean Service (NOS), Charleston
843-762-8514
called LM

Therri Work - USGS Hawaii
808-541-3445

Pat Fair - NOS
843-762-8533
called LM

- Tom Houghlin -

July 15, 2002

- dogs, bears, - can be surrogate
- use same precautions we would use for other mammals
- no concern about pollutants bc no evidence
- heavy metals + organochlorines most studied
- no link between chemical + effects in spp.
- ^{some say} pollutants are ^{extr} abstract that will weaken
- this pop. from BC + Alaska + they are increasing
no animals from western states
- 70 → not a cause of decline, but may be a cause of concern

1200 6th Ave, MS: ECL-112
Seattle, WA 98101
206.553.6316

Potential found

in feeding areas
when pesticides intermediately

Warrant

as potential
toxin in marine

implicated

- haven't be

2001

of marine mammals medicine

look more

D'Souza et al 1994

~~Deer~~ D'Souza
Goller

Handbook

Tom O'Shea

Todd O'Shea

Medicine

- effects on

- Gina Yli-talo July 15th

860-3325

- not sure on anything
- call Gina Allehouse

- Lynd Johnson - Science Center July 18th

SEA TURTLES

Contacted:

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See below for notes

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called LM

SEA LIONS

Contacted:

Tom Loughlin - NMFS

206-526-4040

tom.loughlin@noaa.gov

See below for notes

WHALES

Contacted:

Lyndal Johnson - Science Center

206-860-3345

See below for notes

Gina Ylitalo - Science Center

206-860-3325

See below for notes

John Calimbokitis - Cascadia Research

360-943-7325

See below for notes

Peggy Krahn - Science Center

called but unable to help

Tried to contact:

George Dixon - University of Waterloo, Ontario
519-888-4567 ext. 2531
dgdixon@sciborg.uwaterloo.ca
e-mailed, no reply

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Tom Loughlin - NMFS

Personal Communication July 15, 2002
206-526-4040

If no info, use other mammals as surrogates - dogs, bears, etc. - and use same precautions we would use for other mammals (marine and terrestrial)

No concern about pollutants because no evidence

Heavy metals and organochlorines most studies

No link between chemical and effects in species

Some say pollutants are an extra straw that will weaken these species - he doesn't agree

The population of sea lions in this area [off coast of Washington/Puget Sound/Straits of Georgia] is increasing

Not a cause of decline, but may be a cause of concern

Lyndal Johnson - Science Center
Personal Communication July 15, 2002
206-860-3345

Not sure about issue
Gave contact - Gina Ylitalo

Gina Ylitalo - Science Center
Personal Communication July 15, 2002
206-860-3325

Discussed CRC Handbook of Marine Mammal Medicine, eds: Dierauf and Gulland
Copper hasn't been implicated as a potential toxin in marine mammals
O'Shea study of manatees - discounted b/c problems found in feeding areas where copper pesticides had been intensively applied

John Calimbokitis - Cascadia Research
Personal Communication July 18, 2002
360-943-7325

Not as high concern with copper and cyanide

More concern with anthropogenic sources

For naturally occurring chemicals, marine mammals may have developed a way to deal with the chemicals

For "new" anthropogenic chemicals (i.e. mercury, DDT, etc) they may have not developed a way to process and excrete these chemicals

He has never seen or heard of copper being a problem for marine mammals
[b/c no research?]